

**QUENCH MONITORING AND CONTROL  
SYSTEM AND METHOD OF OPERATING SAME**

**ABSTRACT**

**[0030]** A rotating machine comprising a superconductive coil and a temperature sensor operable to provide a signal representative of superconductive coil temperature. The rotating machine may comprise a control system communicatively coupled to the temperature sensor. The control system may be operable to reduce electric current in the superconductive coil when a signal representative of a defined superconducting coil temperature is received from the temperature sensor.